CNRS No - 85256-05

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: LaColla et al. Confirmation No.: 9201

Serial No.; 10/609,298 Art Unit: 1623

Filed: June 27, 2003 Examiner: T. McIntosh III

For: 2' AND 3' NUCLEOSIDE PRODRUGS Attorney Docket No: 11874-016-999

FOR TREATING FLAVIVIRIDAE (CAM: 417451-999016)
INFECTIONS IDX 1017

### TERMINAL DISCLAIMER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir

The owners of the entire interest in the above-identified application, Idenix Phannaceuticats, Inc.,
Universita Degli Studi di Cagliari, Centre National de la Recherche Scientifique and L' Université Montpellier
II (collectively, "owners"), hereby disclaim the terminal part of the statutory term of any patent granted on the
above-identified application which would extend beyond the expiration date of the statutory terms of any
patent granted on pending U.S. Patent Application No. 10/602,691. The owners hereby waive the right to
separately enforce any patent granted on pending U.S. Patent Application No. 10/602,691 and any patent
granted on the above-identified application. The owners hereby agree that any patent granted on pending U.S.
Patent Application No. 10/602,691 and any patent granted on the above-identified application shall be
enforceable only for and during such period that any patent granted on pending U.S. Patent Application No.
10/602,691 and any patent granted on the above-identified application are not separately enforced.

Ownership of the above-identified application in Idenix Pharmaceuticals, Inc., Universita Degli Studi di Cagliari, Centre National de la Recherche Scientifique and L' Université Montpellier II is demonstrated by virtue of assignments recorded November 11, 2008 at reel 021819 frame 0136; November 11, 2008 at reel 021819 frame 0145; and November 11, 2008 at reel 021819 frame 0149; and the assignment attached hereto.

Ownership of U.S. Patent Application No. 10/602,691 in Idenix Pharmaccuticals, Inc. and Universita Degli Studi Di Cagliari is demonstrated by virtue of assignments recorded September 13, 2001 at reel 012162 frame 0294 and August 19, 2002 at reel 013193 frame 0841.

The owners further agree that the waiver, and this agreement, run with any patent granted on the above-identified application and are binding upon the owners, their successors, or assigns.

The owners do not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration date of the full statutory term of any patent granted on U.S. Patent Application No. 10/602,691 in the event that said patent later expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. 1.321(a), has all claims canceled by a reexamination certificate, or is otherwise terminated prior to the expiration of the full statutory term, except for the waiver and this agreement as stated above.

The undersigned hereby confirm that they have reviewed the assignments and, to the best of their knowledge and belief, title is in the assignees seeking to take action in this matter and that they are empowered to act on behalf of Idenix Pharmaceuticals, Inc., Universita Degli Studi di Cagliari, Centre National de la Recherche Scientifique and L' Université Montpellier II.

The undersigned hereby declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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CNRS No : 85256-05

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Application of:	LaColla et al.	Confirmation	No.:	9201
Serial No.:	10/609,298	Art Unit:	1623	
Filed:	June 27, 2003	Examiner:	T. Mein	ntosh III
For:	2" AND 3" NUCLEOSIDE PRODRUGS FOR TREATING FLAVIVIRIDAE INFECTIONS	Attorney Doc (CAM:	kel No:	11874-016-999 417451-999016) IDX 1017

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Application of: LaColla et al. Confirmation No.: 9201

Serial No.: 10/609,298 Art Unit: 1623

Filed: June 27, 2003 Examiner: T. McIntosh III

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Date: _		By:	
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		Position:	
		Universita Degli Studi di Cagliari	
Date: _		Ву:	
		Name:	
		Position:	
Date: _	3 0 MARS 2009	Centre National de la Recherche Scientifique  By: Directeur de la Pontique Industrielle  Name: Position: Marc J. LEDOUX	
		L' Université Montpellier II	
Date:		By:	
		Name:	
		Position:	

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: LaColla et al.

Confirmation No.: 9201

Serial No 10/6

10/609,298 Art Unit:

: 1623

Filed:

June 27, 2003

Examiner: T

T. McIntosh III

For:

2' AND 3' NUCLEOSIDE PRODRUGS FOR TREATING FLAVIVIRIDAE INFECTIONS

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	Idenix Pharmaceuticals, Inc.
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	Name:
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	Centre National de la Recherche Scientifique
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### PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT (this "Assignment"), effective as of March 4, 2009 (the "Effective Date"), is made by and among Idenix Pharmaceuticals, Inc., a corporation organized under the laws of the State of Delaware, USA ("Idenix VSA"). Idenix SARL, a [corporation] organized under the laws of France ("Idenix France"), Idenix (Cayman) Limited, a company organized under the laws of the Cayman Islands ("Idenix Cayman"), the Université degli studi di Cagliari, a university organized under the laws of Italy ("University of Cagliar"), the Centre National Del La Recherche Scientifique, a [corporation] organized under the laws of France ("UMI"). (Idenix USA, Idenix France, Idenix Cayman, University of Cagliari, CNRS and UM II also may be referred to herein individually as a "party" and collectively as the "parties.")

### RECITALS

- A. Idenix France, on behalf of itself and Idenix USA, and CNRS and UM II are parties to that certain Restated and Amended Cooperative Joint Research Agreement dated as of May 7, 2003 (the "Freuch Joint Research Agreement"), pursuant to which each of the parties thereto agreed to jointly own all "Results" (as defined therein) and patents covering such Results.
- B. Idenix France, through its predecessor Novirio SARL, and the University of Cagliari are parties to that certain Co-Operative Antiviral Research Activity Agreement dated January 4, 1999, as amended (the "Italian Joint Research Agreement"), pursuant to which each of them have agreed to jointly own all results obtained from the activities taken thereunder and patents covering such results.
- C. Idenix France, through its predecessor Novirio SARL, and Idenix Cayman, through its contributor Novirio Pharmaceuticals Limited, a corporation formerly organized under the laws of the Cayman Islands, are parties to that certain Research and Development Agreement dated as of August 24, 1998 pursuant to which Idenix Cayman owns all intellectual property rights developed pursuant to "Projects" (as defined therein), except certain of such rights owned by Idenix USA.
- D. The inventors of the United States and foreign patents and patent applications listed on <u>Attachment A</u> assigned their individual rights, titles and interests to their respective employers before the Effective Date.
- E. The parties desire that each of Idenix USA, University of Cagliari, CNRS and URI (collectively, the "Joint Assignees") each jointly own an equal, undivided right, title and interest in the Jointly Owned Patents (as defined below), subject to the rights and obligations of each Joint Assignee with respect thereto set forth in the French Joint Research Agreement or the Italian Joint Research Agreement, as applicable, through partial assignments by the respective owners as of the Effective Date as necessary to accurately document and record such agreement.

### AGREEMENT

NOW, THEREFORE, for good and valuable consideration (including the premises and covenants set forth in the Italian Joint Research Agreement and the French Joint Research Agreement), the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

Each of the parties (each an "Assignor") hereby irrevocably assigns, transfers and sets over to the Joint Assignees all or such portion of such Assignor's right, title and interest in and to the patents and patent applications listed on Attachment A (if any), together with any foreign counterparts or equivalents thereto, existing now or in the future and including, but not limited to, patents of utility, improvement or addition, utility model and appearance and industrial design patents and inventors certificates, as well as divisionals, reissues, continuations (in whole or in part), renewals and extensions of any of the foregoing and any patents that may issue from any of the foregoing or any reissues or reexaminations thereof, and including the inventions described or claimed in the foregoing (all of the foregoing, collectively, "Jointly Omned Patents") for each Joint Assignee's use and enjoyment, and for the use and enjoyment of their respective successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by each Assignor if this assignment had not been made, in each case such that all of the Jointly Owned Patents, subject to the terms and conditions of the French Joint Research Agreement, as applicable.

Each Assignor authorizes and requests the United States Commissioner of Patents and Trademarks and any other similar government authority to record each Joint Assignee as a joint owner of the Jointly Owned Patents and issue any and all patents issued thereon to the Joint Assignees jointly, as assignees collectively of the entire right, title and interest in, to and under the same, for the sole use and enjoyment of the Joint Assignees jointly and their respective successors, assigns or other legal representatives.

Assignors shall provide the Joint Assignees and their respective successors, assigns or other legal representatives, reasonable cooperation and assistance, including the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney or other documentation, as may be reasonably required in the implementation, recordation or perfection of this Assignment. Each of the parties hereby irrevocably appoints Idenix USA and its successors, assigns and other legal representatives as the true and lawful attorney-in-fact on Assignor's and Joint Assignee's behalf and in Assignor's and/or Joint Assignee's name, place and stead, to execute any further documents or instruments and do any and all further acts that may be deemed appropriate by Idenix USA and its successors, assigns and other legal representatives to effect the assignments to the Joint Assignees and their respective successors, assigns and other legal representatives, of the rights, titles and interests made hereby, and to enable such assignments to be recorded and/or perfected in the United States and all foreign countries, and to maintain, issue or extend any Jointly Owned Patents.

Each party is solely responsible for its costs and expenses associated with the execution and delivery of this Assignment. Each Joint Assignce shall be responsible for 25% of all of the out of pocket costs and expenses actually incurred by Idenix USA in connection with the recording or other perfection of this Assignment within the United States and all foreign

countries, including, but not limited to, any recording fees, taxes or other charges payable to any governmental authority or local attorney/agent in connection therewith.

This Assignment may be executed in one or more counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. This Assignment is governed by the laws of the State of Delaware.

<signature pages follow>

IN WITNESS WHEREOF, each of the parties have executed and delivered this Assignment to effective as of the Effective Date.

Idenix Pharmaceuticals, Inc.

Name: Trem - Pierre Somme loss,

Title: Chief treacher Officer

# Idenix SARL

By:	The	=	
	Tean Pierre	Some dess	
Title:	Ducher		

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# Idenix (Cayman) Limited

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Ву:	-EHR	_
Name:	Tean Pierre Sonhados	_
Title:	D. certiin	

# Università degli studi di Cagliari

IL RETTORE
(Pasquale Mistretta)

CAGLIARI, DI APR. 2009

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Centre National	Del	La	Recherch
Scientifique			

Title:

# L'Université Montpellier II

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## Attachment A

# **Jointly Owned Patents**

(See attached.)

# Attachment A for Patent Assignment Agreement

	Title			2' and 3' Nucleoside Prodrugs for Treating Hepaticis C Virus				7 and 3' Newfords Bredance for T.	TOTAL TOTAL BEAUTY TO BEAUTY TOTAL BEAUTY TONA BEAUTY TOTAL BEAUTY TOTAL BEAUTY TOTAL BEAUTY TOTAL BEAUTY TOT		2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections			2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections		2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections		2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections		2' and 3' Nuckoside Prodrugs for Treating Flaviviridae Infections			2' and 3' Nucleoside Prodrugs for Treating Flavivindae Infections		2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	
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,	Serial No.			60/392,351				10/609.298			17005,471			11/005,442	11000	17003,466	11,000,110	04450001		11/005,443			11/005,446		11/005,472	
	Inventor			Sommadossi, JP.	Moussa, A.	Benzaria-Prad. S.	Dukhan, D. LaColla, P.	LaColla, P.	Sommadossi, JP. Gosselin, G. Storer, R.		Storer, R.	LaColla, P.		Cossella, G. LaColla, P. Soramadossi, JP.	County	Commadossi, JP.	Governin C	LaColla, P. Sommadossi, JP.	Carried Control	(Storer, R.)	LaColla, A.	Sommadossi, JP.	Gosselin, G. LaColla, A.	Sommadossi, JP.	Gosselin, G. LaColla, A.	Sommadossi, JP.
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Title	Z and 3' Nucleoside Prodrugs for Treating Plavryridae Infections	1.2 and 3 Modified Nucleonide Derivatives for Treating Flavivinidae Infections	1'.2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1.2° and 3' Modified Nucleoside Derivatives for Teating Flaviviridae Infections	1.2° and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1.2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1'. 2' and 3' Modified Nuckoside Derivatives for Treating Flaviviridae Infections	1.2. and 3. Modified Nucleoside Derivatives for Treating Flavivridae Infections	17.2° and 3' Mobilited Nucleoside Derivatives for Treating Flavviridae Infections	1 . 2" and 3" Medified Nucleoside Derivatives for Treating Flavivinidae Infections
Filed	12/6/04	6/27/03	6/27/03	6/27/03	6027/03	607703	6/27/03	6/27/03	602703	6/27/03
Seria No.	11/005,444	2,490,200	2003263412	537250	PAW2004/0 12779	1336-2003	660-2003	2004-	20050466	2005102096
Inventor	Gosselin, G. LaColla, A. Sommadossi, JP.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselm, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Somnadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sonnmadosst, JP. LaColla, P. Storer, R. Gosseliu, G.
Type Related/ Country	CON of 11874-016-999	Canada	Australia	New Zealand	Mexico	Chile	Pen	Japan	Norway	Russian Fed.
Idenix Ref. No.	1017 US CON 8	1017CA	UN 2101	1017 N.Z	1017 MX	1017 CL	1017 PE	1017 JP	1017 NO	1017RU
			11874-016-007							11874-016-019
CAM	41/451-999084	910100-104/14	417451-00/016	417451-008016	417451-009016	417451-010016	910110-16471+			417451-013016

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	Sommadosti J.P.  Jacolin, P.  Jacolin, P.  Goselin, R.  Goselin, R.  Goselin, G.  G		8,9/05	
	Li Cale P. Gostella G. Gostella G. Gostella G. Gostella G. Gostella G. Sonnakosa, JP. Mousta, P. LaCale F. LaCale F. LaCale F. Gostella G. Commadosa, JP. Co		6/30/03	1.2 and 3 Modified Nucleoside Derivatives for Treating Flaviviridae Infections
	Storer, R. Goszelin, G. Imbach, JL. Mounackest, JP. Mounackest, JP. Sommackest, JP. LaColla, P. Storer, R. Goszelin, G. Commadossi, JP. Local Collandos Collandos Collandos Collandos Collandos Collandos Collandos	+		1.2's and 3' Modified Nucleosade Derivatives for Treating Flaviviridae Infections
	Sommadossi, JP. LaColta, P. Storer, R. Gossetin, G. Sommadossi, JP.		63003	2 and 3' Nucleoside Prodrugs for Treating Flavricidae Infections
	Sommedoss, JP.	P10312271-9	6/27/03	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridue Infections
	Storer, R. Gosselin, G.	159602003	601.09	1. 2. and 3. Modified Nucleoside Derivatives for Treating Flaviviridae. Infections
	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	27.876	6/30/03	1, 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections
1017 BO Bolivia	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	SP-151-03 (SP23015)	6/27/03	1) 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections
1017 SG Singapore	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	200407794-	627/03	1. 2' and 3' Modified Nucleoside Derivaires for Treating Flaviried to Infections
1017 IN India	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	341/RELNP/ 2005	6/27/03	1. 2' and 3' Modified Nucleoside Derivaires for Treating Flavirindae Infections

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Title	1, 2° and 3° Modified Nuckoside Derivatives for Treasing Flaviviridae Infections	1. 2° and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1. 2' and 3' Modified Nucleoside Derivatives for Treating Flaviviridae Infections	1, 2 and 3 Modified Nuckoside Derivatives for Treating Flaviviridae Infections	1. 2. and 3' Modified Nucleoside Derivatives for Treating Flaviviridae infections	1, 2, and 3 Modified Nuchooide Derivatives for Totaling Flaviviridae Infections	1, 2' and 3' Modified Nucleoside Derivaires for Treating Flaviviridae Infections	1. 2° and 3° Modified Nuckoside Derivatives for Treating Flavivridae Infections
Filed	6/27/06	62803	1 10/103	1 607703	1 50/279	6/27/03	627/03	1 80/279	627/03 I
Serial No.	W00200500 216	617/2003	28072	1-2005- 500175	083423	03820690.0	2004/10289	P374792	P-1141/04
Inventor	Sommadossi, JP. LaColta, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gesselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sonnadossi, JP. LaColla, P. Storer, R. Gosselin, G.	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.
Type Related/ Country	Indonesia	Egypt	Могоссо	Philippines	Thailand	China	South Africa	Potand	Yugoslavin (formes)
Ref. No.	GI 7 ID	1017 EG	1017 MA	HA 2101	1017 TH	1017 CN	1017 ZA	1017 PL	1017 YU
Docket No.	11874-016-076	11874-016-078	11874-016-106	11874-016-117	11874-016-131	11874-016-146	11874-016-147	11874-016-150	11874-016-154
CAM	417451-076016	417451-078016	41/451-106016	41/451-117016	41/451-138016				1/451-154016

	per Investor Serial Filed Title No. No.	d Somewhoot, J.P. 16591 602703 I.T.2 and 3 Modified Nucleoside Dervatives for Treating Flavorsidae Source, R. Source, R. Goosen, R. Goosen, R.	ician Sometical, 1-7. 170200 002700 1.7.2 and 3 Modified Nationals Derivatives for Training Praviridae Source, R. Source, R. Const. R. C	sua Scomoskova, L.P. 9211750 62703 11.2' and 3' Modified Nacioule Derivative for Treating Fluvritisks Stores, R. Gosenia, C.	A Kommedati, IP. 10-1304. 627/03 1', 2' and 3' Modified Nationals Derivatives for Teating Flavinidae Leccula. Societa. C. Godding. C. Costello. G. Costello.	Assert R. Oldo Granda 1-1.2 and 3' Modified Nucleoside Derivatives for Treating Flavoridae Society R. Oldo Information Informa	1 Ex-Const. P. 120400341 (G2103 1; 2; and 3 Notalified Niceboade Derivatives for Treasing Flavirations Source, R. Gossen,	Sommarker, J.P. (03/6179-53 427003 F. P. and 9 Modified Nucleoside Destructives for Treating Ehrenfidze Constant, B. (2004). C. Constant P. C. (2004). C.	LECOME (NO. 1971) 6/27/102000	Sola Sommadossi, J.P. Pt20022435 6/27/03 1: 2 and 3' Modified Nucleoside Derivatives for Treating Flaviviridae
	Related/ Country	Israel Sommi LaCol Storer Gosse	Pakistan Somm LaCol Storer Gosse	Taiwan Somma LaCol Storer Gossel	South Korea Somm LaColl Storer, Gossel	Vetnam Somm LaColl Storer, Gossel	OAP! Sonun LaColi Storer, Gossel	EPO Somma LaColt Storer, Gossel		Malaysia Sorama LaColli
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	Docket No.	11874-016-158	11874-016-178	11874-016-185	11874-016-187	11874-016-189	11874-016-214	11874-016-227	11874-016-228	1874-016-241
-	CAM						41,431-214016		417451-228016	

Tile	1. 2. and 3. Modified Nuckcoside Derivatives for Treating Flaviviridae. Infections		Modified 2 and 9 Nucleoside Prodrags for Treating Hepatita C Vinus	Medified 2 and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2 and 3 Nacecoside Prodrugs for Treating Plavviridae Infections	Medified 2 and 3 Nucleoside Prodrugs for Treating Flavviridae Infections	Modified Z and 3 Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections	Modified Z and 3 Nucleoside Prodrugs for Treating Planvinidae Infections	Medified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
Filed	627/03		628/02	6/27/03	12/604	12/6/04	12/6/04	12/6/04	12/6/04	12/6/04
No.	AP/P/05/003 211		60/392,350	10/608,907	11/005,445	11/005,473	11/005,468	11/005,467	11/005,470	11/005,447
Inventor	Sommadossi, JP. LaColla, P. Storer, R. Gosselin, G.		Storer, R. Gosselin, G. Sommadossi, JP. Moussa, A. LaColla, P.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.
Type Related/ Country	ARIPO		PROV	11874-015-888 11874-055-888 11874-130-888	CON of 11874-055-999	CON of 11874-055-999	CON of 11874-055-999	CON of 11874-055-999	CON of 11874-055-999	CON of 11874-055-999
Ref. No.	1017 AP		PROV	SU 8 101	1018 US CON 1	1018 US CON 2	1018 US CON 3	1018 US CON 4	1018 US CON 5	1018 US CON 6
Docket No.	11874-016-262	IDX 1018 Patent Family	11874-055-888	11874-055-999	(1874-056-999	11874-057-999	11874-058-999	1874-059-999	11874-060-999	11874-061-999
CAM	41.7451-262016	IDX 1018 Pa	417451-888055	417451-999055	417451-999056	417451-999057			417451-999060	ionus-ica-i

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	1	Country		ė		
11874-055-012	1018 JP	Japan	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	2004- 517158	6/27/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavivirishe Infections
11874-055-015	1018 NO	Norway	Storer, R. Gosselin, G. LaColla, P. Sommadoost, JP.	20050465	627/03	Modified 7 and 3 Nucleoside Prodrugs for Treating Flaviviridae Infections
11874-055-019	1018 RU	Russian Fed.	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	2005102013	6/27/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavivitidae Infections
1874-055-023	1018 HK	Hong Kong	LaColla, P. Stoter, R. Gosselin, G. Sommadossi, JP.	05106974.2	8/12/05	Mobiled 2' and 3' Nucloside Prodrugs for Treating Flaviviridae Infections
1874-055-025	1018 VE	Venezuela	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	1101-2003	6/30/03	Modified 2 and 3 Nucleoside Prodrugs for Treating Planvisidae Infections
977-50	1018 AR	Argentina	Storer, R. Gosselin, G. LaColla, P. Sommadossi, J. P.	P030102366	6/30/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavivridae Infections
11874-055-037	1018 BR	Brazil	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	PJ0312286-7	627/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Intections
11874-055-039	1018 PY	Paraguay	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	15691/2003	6/27/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flavvenidae Infections
11874-055-040	¥U 8101	Unguay	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	27.875	6/30/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections

Inventor Serial Dil-4		14 Source C SF-150-45 G/2000 Modified Fash Nucleoside Produce for Training Enrivintee Infections Lackone R. Somewhate P.		Storn P. ASDELNP 62790. Modified 2 and 3 Nucleoside Produgs for Training Eleverities Infection Lecture. Somewhole, 3-, Somewhole, 3-,	Notes: R. October 1. 1900,000 00 00 00 00 00 00 00 00 00 00 00	Sover, P. Conceint. Conceint. La Li 1920 Modelfed 7 and 3 Nucleosise Produce for Touring Plevivrides Infections LaColos. F. Sormedock, J. Sormedock, J. P. Sorm	coo Goording 2 38609 62700 Houlted 7 and 3 Nuchouse Produce Foreing Flavivities infracton LaColle? Somethods, 1-p	Princia Storm C 2005. Conceile (2007) Modified 2 and 3 Nucleouse Products for Treating Flavy-infide infections LaC-Star Sommands 1, P. Sommandes 2, P. Sommandes 2, P. Sommandes 2, P. Sommandes 2, P. Sommandes 3, P. Sommand	and Source R. G00414 62700 Modelfoot 2 and 3 Nucleoside Produce for Treating Flavivirides Infections LaColate Somewhole, 1-8 Somewhole, 1-8	Storer, R. 03520501.7 62703 Modified Z and T Nucleoside Produce for Treating Elavirations Infections
Type	Related/ Country	Bolivia	Singapore	India	Indonesia	Egypi	Moroceo	Philippines	Thailand	China
Idenix	Ref. No.	1018 BO	1018 SG	N. 8101	DI 8 ID	1018 EG	1018 MA	Hd 8101	1018 TH	1018 CN
Docket No.		11874-055-041	11874-055-055	11874-055-056	11874-035-076	11874-055-078	11874-055-106	11874-055-117	11874-055-131	1874-055-146
Jones Day	CAM	417451-041055			417451-076055			417451-117055		41/451-146055

2	2004102849 6.27/03) P-374831 6.27/03) P-114004 6.27/03) 16.8993 6.27/03)	Modified 7 and 3 Nucleonde Produgs for Trazing Parvisidae Infections Modified 7 and 3 Nucleonde Produgs for Trazing Flavivisidae Infections
1018 7A   South Africa   LaCold, P   South Africa   LaCold, P   South Africa   Stocker, L.P.		Madified 2 and 9 Nutscoule Produce for Trause Burvirlais: Infections Madified 2 and 9 Nucleoside Produce for Trause flavividas. Infections
1018 P.   Polad   LGOR. P.	= 8	Medited T and S Nucleoside Produgs for Treating Flaviviridas Infections
1018 VV V Vicebara   State; R.	3	
10   1   Inned   Store, R. C. Control   10   10   10   10   10   10   10   1	1	Modified 2' and 3' Nucleoside Prodrugs for Treasing Flaviviridae Infections
1018 FV   Patient   LeColife	_	Modified 2' and 3' Nucleoside Produgs for Treating Flaviviridae Infections
1011 VV Taves   Storet R.	580/2003 6/27/03	Modified 2 and 3 Muchoside Prodrugs for Treating Flavivindae Infections
1018 KR South Korea   LaColal.P.	92117546 6/27/03	Medified 2' and 3' Nucleoside Prodrugs for Treating Plaviviridae Infections
1018 VN Vietnam LaColla, P. Storer, R. Goosefn, G. Goo	10/2004- 6/27/03 7021286	Modified 2 and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
1018 OA OAPI	-2005- 6/27/03 NO 107	Modified Z and 3 Nucleoside Prodrugs for Treating Flavryindae Infections
Sorger, R. Gosselin, G. EuColla, P. Sommadossi, JP.	1200400344 6/27/03	Modified Z and 3 Nucleoside Prodrugs for Treating Flaviviridae Infections

Jones Day	Docket No.	Idenix	Type	Inventor	Cariol	7.63	17 (A)
~~~		Ref. No.	Related/ Country		ջ	Linea	1116
417451-227055	11874-055-227	1018 EP	. Odi	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	03761744.6	6/27/03	Modified 2: and 3' Nucleoside Prodrugs for Treating Plavviridae Infections
	11874-055-228	1018 WO	PCT	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	PCT/IB2003 /003246	6/27/03	Modified Z and J Nucleoside Prodrugs for Treating Flavwiridae Infections
	11874-055-241	1018 MY	Malaysin	Storer, R. Gosselin, G. LaColla, P. Sommadossi, JP.	PD0032435	627/03	Modified 2' and 3' Nucleoside Prodrugs for Treating Flaviviridae Infections
417451-262035	11874-055-262	1018 AP	ARIPO	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	AP/P/2005/0 03212	627/03	Modified 2: and 3 Nucteoside Prodrugs for Treating Flavrinidae Infections
417451-146144	11874-144-146	1018 CN (DIY)	China	LaColla, P. Storer, R. Gosselin, G. Sommadossi, JP.	2007101933	12/3/07	Modified 2 and 3 Nucleoside Prodrugs for Treating Flaviuridae Infections
Pa	IDX 1031 Patent Family						
-	11874-026-999	SD 1691	11874-016-888 11874-130-888	Sommadossi, JP. La Colla. P. Gosselin, G.	10/607.909	6/27/03	2*C-Methyl-3*O-L-Valine Ester Ribofuranosyl Cytidine for Treaument of Flaviviridae Infections
	11874-086-999	1031 US CON 1	CON of 11874-026-999	Sommadossi, JP. Gosselin, G. LaColla, P.	11/516,928	90/9/6	2-C-Methyl-3-Q-L-Valine Ester Ribofuranosyl Cytidine for Treament of Flaviviridae Infections
	11874-026-001	1031 CA	Canada	Sommadossi, JP. La Colla, P. Gosselin ,G.	2,489,552	6/27/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treament of Flavireidae Infections
41/451-007026	11874-026-007	1031 AU	Australia	Sommadossi, JP. La Colta, P. Gosselin ,G.	2003248748	6/27/03	2-C-Methyl-3-O-L-Vaine Ester Ribofmanosyl Cylidine for Treatment of Flavviridae Infections
	11874-026-008	1031 NZ	New Zealand	Sommadossi, JP. La Colla, P. Gosselin ,G.	537662	6/27/03	2-C-Methyl-3-O-L-Valine Euer Reboluranosyl Cyridine for Treament of Flaviviridae Infections
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CAM	Docket No.	Ref. No.	Type Related/ Country	Inventor	Serial No.	Filed	Title
41/451-009026	11874-026-009	1031 MX	Мехко	Sommadossi, JP. La Colla, P. Gosselm, G.	PA/a/2004/0 12802	6/27/03	2-C-Methys-3-Q-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
41 7431-010026	11874-026-010	101161	Chile	Sommadossi, JP. La Colla, P. Gosselin , G.	1338-2003	6/30/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviriridae Infections
417451-011026	11874-026-011	1031 PE	Peru	Sommadossi, JP. La Colla, P. Gosselin ,G.	900661- 2003	6/30/03	2-C-Methyl-3-O-L-Valine Ester Riboluranosyl Cytoline for Treatment of Flaviridae Infections
47.421-012026	11874-026-012	4f 1501	Japan	Sommadossi, JP. La Colla, P. Gosselin ,G.	2004- 518041	6/27/03	2-C-Methyl-3-Q-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
41/431-015026	11874-026-015	1031 NO	Norway	Sommadossi, JP. La Colla, P. Gosselin ,G.	20020490	6/27/03	2-C-Methyl-3-O-L-Valine Ester Riboluranosyl Cytidine for Treatment of Flaviviridae Infections
11/451-019026	11874-026-019	1031 RU	Russian Fed.	Sommadossi, JP. La Colla, P. Gosselin, G.	2002102080	6/27/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
417451-023026	11874-026-023	1031 HK	Hong Kong	Sommadossi, JP. La Colla, P. Gosselin, G.	05106114.3	7/19/05	2-C-Methyl-3-O-L-Valine Ester Ribofuanosyl Cytidine for Treament of Flaviviridae Infections
970570	11874-026-025	1031 VE	Venezuela	Sommadossi, JP. La Colla, P. Gosselin ,G.	1099-2003	6/30/03	2-C-Methyl-3-O-L-Valine Ester Ribodurmosyl Cytidine for Treatment of Flavriviridae Infections
41/451-036026	11874-026-036	1031 AR	Argenima	Sommadossi, JP. La Colla, P. Gosselin, G.	P030102363	6/30/03	2-C-Methyl-3-O-L-Valine Ester Ribofurmosyl Cytidine for Treatment of Flaviviridae Infections
417451-037026	11874-026-037	1031 BR	Brazel	Someradossi, JP. La Colla, P. Gosselin ,G.	P10312278-6	6/27/03	2-C-Methyl-3-O-L-Valine Ester Riboluranosyl Cytidine for Treatment of Flaviviridae Infections
41/451-039026	11874-026-039	1031 PV	Paraguay	Sommadossi, JP. La Colla, P. Gosselm ,G.	15962/2003	6/27/03	Z-C-Methyl-3-O-L-Valine Exer Riboluranosyl Cytidine for Treatment of Flaviviridae Infections
	11874-026-040	1031 UY	Uruguay	Sommadossi, JP. La Colla, P. Gosselin ,G.	27.874	6/30/03	2-C-Methyl-3-O-L-Valine Ester Riboluranosyl Cytidine for Treatment of Flaviviridae Infections
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Title	2-C-Methyl-3-O-L-Valine Ester Ribofurancsyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranceyl Cytidine for Treatment of Flaviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytique for Treatment of Faviviridae Infections	2-C-Methyl-3-O-L-Value Ester Ribohranosyl Cytique for Treatment of Flaviviridae Infections	2-C-Metayl-3-O-L-Valine Ester Ribofuranceyl Cytidune for Treatment of Flaviviridae Infections	2-C-Methyl-3-Co-L-Valine Ester Riboltzanosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flavivuridae Infections	2'sC-Methyl-3'-O-L-Valine Ester Ribofuranoxyl Cytidute for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranceyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl 3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections	2-C-Methyt-3-O-L-Valine Ester Riboluranosyl Cytidine for Treatment of Flaviviridae Infections
Filed	6/30/03	627/03	627/03	6/27/03	602703	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03	6/27/03
Serial No.	SP-230149	200407793- 9	344/DELNP /2005	WO0200500 214	616/2003	28070	1-2005-	083422	03820701.X	2004/10290	P-374781	P-1139/04
Inventor	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gossetin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin, G.	Sommadossi, JP. La Colla, P. Gosselin ,G.	Sommadossi, JP. La Colla, P. Gosselin G.	Sommadossi, JP. La Colla, P. Gosselin , G.	Sommadossi, JP. La Colla, P. Gosselin , G.	Sommadossi, JP. La Colla, P. Gosselin .G.	Sommadossi, JP. La Colta, P. Gosselin ,G.
Type Related/ Country	Bolivia	Singapore	India	Indonesia	Egypt	Morocco	Philippines	Thailand	China	South Africa	Poland	Yugoslavia (former)
Ref. No.	1031 80	1031 SG	1031 IN	1031 ID	1031 EG	1031 MA	1031 PH	1031 TH	1031 CN	1031 ZA	1031 P.L.	1031 YU
Docket No.	11874-026-041	11874-026-055	1874-026-056	11874-026-076	11874-026-078	11874-026-106	11874-026-117	11874-026-131	11874-026-146	11874-026-147	11874-026-150	11874-026-154
CAM CAM	417451-041026	41/451-055026	977900-100	+1 /431-0/0026	+17451-078026	417451-106026	970/11-154/14	070151-154	41/401-146026	41/401-14/026		

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41 /451-158026	11874-026-158	1031 1	Srael	Sommadossi, JP. La Colla, P. Gosselin ,G.	165757	6027/03	2-C-Methyl 3-O-L-Valine Ester Ribofusnosyl Cytidine for Treatment of Flaviviridae Infections
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417451-241026	11874-026-241	1031 MY	Malaysia	Sommadossi, JP. La Colla, P. Gosselin G.	Pi20032434	6/27/03	2-C-Methyl-3-O-L-Valine Ester Ribofuranceyl Cyndrac for Treatment of Flavieridae Infections
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417451-044086	1874-086-008	(DIV)	New Zealand	Sommadossi, JP. La Colla, P. Gosselin ,G.	\$96268	10/01	2*C-Methyl-3*O-L-Valine Exter Ribofurancey/ Cytidine for Treatment of Flavviridae Infections
	660.000	(DIV)	Singapore	Sommadossi, JP. La Colla, P. Gosselin ,G.	200700648-	126/07	2-C-Methyl-3: O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
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41.451-146086	11874-086-146	1031 CN (DIV)	China	Sommadossi, JP. La Colla, P. Gosselm, G.	2000710199	12/10/07	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
41/45[-[47086	11874-086-147	1031 ZA (DIV)	South Africa	Sommadossi, JP. La Colla, P. Gosselin , G.	2006/07218	879/06	2-C-Methyl-3-O-L-Valine Ester Ribofuranosyl Cytidine for Treatment of Flaviviridae Infections
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417451-888077	11874-077-888	1040 US	PROV	Gosselin, G.	60/582 182	MAN	
		PROV		Socia, F.			3-A24-1-Unitabutine Derivatives for Treating Flaviviridae
				Storer, R. Dukhan D			
417451-999077	11874-077-990	SI UPUI	11074 007 000	Leroy, F.			
		200	118/4-0//-828	Gosselin, G. Soela, F.	11/166,498	6/23/05	5-Aza-7-Deazapurine Derivatives for Treating Flaviviridae
				Storer R			
412461 000 1214				Dukhan, D.			
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				LaColla P.			
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417451-007077	11874-077-007	1040 411		Leroy. F.			
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	11874-077-008	1040 NZ	New Zealand	Goeselin, G. Seela, F. LaColla, P. Storer, R. Dukhao, D.	552612	6/23/05	5-Acar-1 Decappoint Derivatives for Treating Flaviviridae
	11874-077-000	1040 MX	Мехісо	Letoy, F. Gosselin, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	PA/a/2006/0 1506/5	6/23/05	5-Aza-7-Descaputine Dervatives for Treating Flavivisidae
	11874-077-012	P40 JP	Japan	Leroy, F. Gosselin, G. Seeta, F. LaColla, P. Storer, R. Dukhan, D.	2007- 517530	672305	5-Aza-7-Dezapuine Derivaires for Treating Flavviridae
	11874-077-015	ON 0401	Norway	Jeroy, F. Gosselin, G. Ssela, F. LaColla, P. Skoer, R. Dutchen, D.	20070340	6/23/05	5-Aza-7-Dezapune Derivalves for Trasing Flavvindae
	11874-077-019	1040 RU	Russian Fed.	Gosselin, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	2007102281	6/23/05	S-Aza-T-Dezzaparine Derivauves for Treating Flaviviridae
	11874-077-037	1040 BR	Brazil	Gostelin, G. Seeta, F. LaColla, P. Storer, R. Dukhan, D.	Pi0512360-7 6/23/05	6/23/05	5-Aza-7-Dezapourire Derreatives for Treating Flavioridae
	11874-077-055	DS 0901	Singapore	Loroy, F. Gosselia, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	200608949-	623/05	5-Aza-7-Dezapume Derivaires for Treang Flaviviridue
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	11874-077-056	N 040 N	India	Gosselin, G. Seela, F. LaColla, P. Storer, R. Dukhan, D.	470/DELNP /2007	6/23/05	5-Aza-7-Detaspurine Denvatives for Tealing Flaviviridae
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